



Use of Videoconferencing in ADR

*A Courtroom 21 Presentation
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International Mediations



International Child Abduction



Web-based Documents





Language Interpretation



Remote Participants



The issues

- Visual quality;
- Audio quality;
- Synchronization of image to sound;
- Safeguards against coercion or prompting;
- Transmission data security;
- Cost;
- The nature of the process itself.



Technology

- At both ends you need:
 - One or more TV cameras;
 - A display device (TV/monitor);
 - Audio pick-up and output;
 - A "codec" – the system's "guts";
- Telecommunication connections.



Technology

- These yield a "point to point" connection.
- To connect to multiple remote locations you need a Master Control Unit (MCU) or to use a commercial "bridge" service.
- Some videoconferencing units come with MCU's.



Other Technology Concerns

- Display
 - Image only – or data too
 - Documents;
 - Charts or pictures.
 - "True-life" proportions should be required.
- Audio
 - Echo cancellation
- Compatibility
 - Formal protocols;
 - Actual operation.

Integrated units



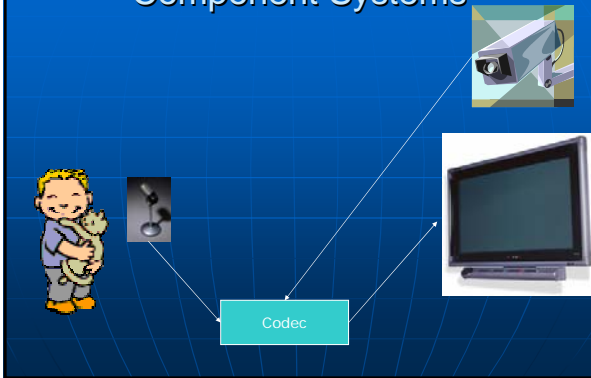
Tandberg 8000

Integrated units



Tandberg 1000

Component Systems



Transmission Lines

- ISDN,
 - Each line = 2 telephone lines/channels;
 - 3 lines are preferred for testimony;
 - Commercial standard.
- IP (Internet Protocol)
 - As cheap as your internet connection;
 - More bandwidth required.
- Most current units are both ISDN and IP capable.